| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|---|---|---------------------|---------|------------------|
| L1 | 11335 | (logic near4 gate) and (flash near4 memory) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:06 |
| L2 | 3 | (hardmask near9 (logic near4 gate)) and (hardmask near9 (flash near4 memory)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:08 |
| L3 | 58 | (mask near9 (logic near4 gate)) and (mask near9 (flash near4 memory)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:08 |
| L4 | 22 | (mask near9 (logic near4 gate)) and (mask near9 (flash near4 memory)) and (pattern near9 mask) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:09 |
| L5 | 21 | (mask near9 (logic near4 gate)) and (mask near9 (flash near4 memory)) and (pattern near9 mask) and (pattern near9 gate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:09 |
| L6 | 20 | (mask near9 (logic near4 gate)) and (mask near9 (flash near4 memory)) and (pattern near9 mask) and (pattern near9 gate) and (etch\$4 near9 gate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:35 |
| L7 | 2 | (mask near9 (logic near4 gate)) and (mask near9 (flash near4 memory)) and (pattern near9 mask) and (pattern near9 gate) and (etch\$4 near9 gate) and (438/257.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/22 11:36 |

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|----|----|--|---|----|----|------------------|
| S1 | 0 | (logic near gate) and stack and region and (substrate or wafer or semiconductor) and (flash near memory) and (deposit near8 hardmask) and pattern\$4 and etch\$4 and die and dielectric and electrode and float\$4 and control and (ARC or "anti-rflective coating") and pitch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:27 |
| S2 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and (flash near memory) and (deposit near8 hardmask) and pattern\$4 and etch\$4 and die and dielectric and electrode and float\$4 and control and (ARC or "anti-rflective coating") and pitch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:27 |
| S3 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and (flash near memory) and (deposit near8 hardmask) and pattern\$4 and etch\$4 and die and dielectric and electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:27 |
| S4 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and (flash near memory) and (deposit near8 hardmask) and pattern\$4 and etch\$4 and die | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:27 |
| S5 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and (deposit near8 hardmask) and pattern\$4 and etch\$4 and die | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:28 |
| S6 | 26 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:28 |
| S7 | 23 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:28 |

| S8 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode and (ARC or "anti-reflective coating") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/06/07 10:29 |
|------------------|----|---|---|----|------|------------------|
| S9 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode and (ARC or "anti reflective coating") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:29 |
| S10 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode and ARC | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:29 |
| S11 | 0 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode and reflective | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 10:29 |
| S12 | 23 | logic and stack and region and (substrate or wafer or semiconductor) and flash and memory and deposit and hardmask and pattern\$4 and etch\$4 and die and dielectric and electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:00 |
| S13 _. | 38 | flash adj logic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:01 |
| S14 | 1 | flash adj logic and hardmask and pattern\$4 and etch\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:02 |

| S15 | | flash adj logic and hardmask | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:02 |
|-----|---|--|---|----|----|------------------|
| S16 | 6 | flash adj logic and (ARC or "anti-reflective coat\$4") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:03 |
| S17 | 3 | flash adj logic and (ARC or "anti-reflective coat\$4") and pattern | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:03 |
| S18 | 3 | flash adj logic and (ARC or "anti-reflective coat\$4") and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 11:03 |
| S19 | | flash adj logic and (ARC or "anti-reflective coat\$4") and pattern and etch and (substrate or semicondcutor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 12:41 |
| S20 | 3 | flash adj logic and (ARC or "anti-reflective coat\$4") and pattern and etch and (substrate or semicondcutor or wafer) and resist | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/08 12:48 |
| S21 | 0 | flash adj logic and (ARC or "anti-reflective coat\$4") and pattern and etch and (substrate or semicondcutor or wafer) and resist and float | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 13:00 |
| S22 | | logic and flash and substrate and memory and "ARC" and (resist near4 resist) and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:36 |

| S23 | 1 | ("logic gate" near8 (stack near4 region)) and ((flash near memory) near4 region) and (substrate or semiconductor or wafer) and (hardmark or "ARC") and (flash near4 gate) and (pattern\$4 or etch\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:42 |
|-----|-------|---|---|----------------|----|------------------|
| S24 | 243 | ((etch near4 "logic gate") near8 hardmask or "ARC") and (flash near memory) and stack and (substrate or semiconductor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR · | ON | 2006/02/24 11:53 |
| S25 | 16 | ((etch near4 "logic gate") near8 hardmask or "ARC") and (flash near memory) and stack and (substrate or semiconductor or wafer) and (logic near4 region) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | O _R | ON | 2006/02/24 11:54 |
| S26 | 15930 | logic and flash and (NAND or NOR) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:01 |
| S27 | 8640 | logic and flash and (NAND or NOR) and (semiconductor or substrate or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ÓN | 2006/03/06 11:01 |
| S28 | 31 | logic and flash and (NAND or NOR) and (semiconductor or substrate or wafer) and hardmask | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:01 |
| S29 | 22 | (logic near4 gate) and flash and (NAND or NOR) and (semiconductor or substrate or wafer) and hardmask | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:04 |
| S30 | 13 | (logic near4 gate) and flash and (NAND or NOR) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:11 |

| S31 | 1 | (logic near4 gate) and (flash near4 gate) and (NAND or NOR) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2006/03/06 11:13 |
|-----|----|---|---|----|-----|------------------|
| S32 | 12 | (logic near4 gate) and (flash near4 memory) and (NAND or NOR) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:13 |
| S33 | 25 | (logic near4 gate) and (flash near4 memory) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:16 |
| S34 | 1 | (logic near4 gate) adj (flash near4 memory) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:17 |
| S35 | 0 | (logic near4 gate) adj (logic near4 gate) and (semiconductor or substrate or wafer) and hardmask and pattern and etch | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:18 |
| S36 | 4. | "6235587" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:22 |
| S37 | 0 | "6235587" and "6417086" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 11:22 |
| S38 | 4 | (("6235587") or ("6417086")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/05/01 11:27 |

| S39 | 2 | "6376312".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/01 11:27 |
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